



Docket No.: 337348040US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Balzer et al.

Application No.: 10/731,731

Confirmation No.: 5156

Filed: December 9, 2003

Art Unit: 3762

For: SYSTEM AND METHOD FOR TREATING
PARKINSON'S DISEASE AND OTHER
MOVEMENT DISORDERS

Examiner: S. M. Getzow

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications.

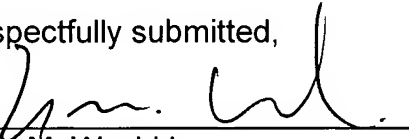
Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 337348040US1. A duplicate copy of this paper is enclosed.

Dated: June 30, 2006

Respectfully submitted,
By 
John M. Wechkin
Registration No.: 42,216
PERKINS COIE LLP
P.O. Box 1247
Seattle, Washington 98111-1247
(206) 359-8000
(206) 359-7198 (Fax)
Attorney for Applicant



337348040US1

PTO-SB-08a-b (07-05)

Approved for use through 07-31-2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/731,731-Conf. #5156	
			Filing Date	December 9, 2003	
			First Named Inventor	Jeffrey Balzer	
			Art Unit	3762	
			Examiner Name	S. M. Getzow	
Sheet	1	of	11	Attorney Docket Number	337348040US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		2002/0091419	07-11-2002	Firlik et al.	
		2003/0074032	04-17-2003	Gliner	
		2003/0078633	04-24-2003	Firlik et al.	
		2003/0088274	05-08-2003	Gliner et al.	
		2003/0097161	05-22-2003	Firlik et al.	
		2003/0125772	05-04-2004	Olson et al.	
		2003/0130706	07-10-2003	Sheffield et al.	
		2003/0149457	08-07-2003	Tcheng et al.	
		2003/0176901	09-18-2003	May	
		2003/0187490	10-02-2003	Gliner	
		2003/0187491	10-02-2003	Greenberg et al.	
		2004/0073270	04-15-2004	Firlik et al.	
		2004/0082847	04-29-2004	McDermott	
		2004/0092809	05-13-2004	DeCharms	
		2004/0102828	05-27-2004	Lowry et al.	
		2004/0111127	06-10-2004	Gliner et al.	
		2004/0138550	07-15-2004	Hartlep et al.	
		2004/0158298	08-12-2004	Gliner et al.	
		2004/0176831	09-09-2004	Gliner et al.	
		2004/0181263	09-16-2004	Balzer et al.	
		2004/0215287	10-28-2004	Swoyer et al.	
		2004/0236388	11-25-2004	Gielen et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	2	of	11	Attorney Docket Number	337348040US1

		2004/0243205	12-02-2004	Keravel et al.	
		2004/0249422	12-09-2004	Gliner et al.	
		2005/0004620	01-06-2005	Singhal et al.	
		2005/0015129	01-20-2005	Mische	
		2005/0021105	01-27-2005	Firlik et al.	
		2005/0021106	01-27-2005	Firlik et al.	
		2005/0021107	01-27-2005	Firlik et al.	
		2005/0021118	01-27-2005	Genau et al.	
		2005/0033378	02-10-2005	Sheffield et al.	
		2005/0070971	03-31-2005	Fowler et al.	
		2005/0075679	04-07-2005	Gliner et al.	
		2005/0075680	04-07-2005	Lowry et al.	
		2005/0096701	05-05-2005	Donovan et al.	
		2005/0113882	05-26-2005	Cameron et al.	
		2005/0119712	06-02-2005	Shafer	
		2005/0154425	07-14-2005	Boveja et al.	
		2005/0154426	07-14-2005	Boveja et al.	
		2006/0015153	01-19-2006	Gliner et al.	
		2006/0106430	05-18-2006	Fowler et al.	
		2006/0106431	05-18-2006	Wylar et al.	
		2,721,316	10-18-1955	Shaw	
		3,628,193	12-21-1971	Collins	
		4,030,509	06-21-1977	Heilman et al.	
		4,125,116	11-14-1978	Fischell	
		4,214,804	07-29-1980	Little	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	3	of	11	Attorney Docket Number	33734804US1

	4,245,645	01-20-1981	Picard et al.	
	4,328,813	05-11-1982	Ray	
	4,431,000	12-14-1984	Butler et al.	
	4,474,186	10-02-1984	Ledley et al.	
	4,590,946	05-27-1986	Loeb	
	4,969,468	11-13-1990	Byers et al.	
	5,024,226	06-18-1991	Tan	
	5,054,906	10-08-1991	Lyons, Jr.	
	5,063,932	11-12-1991	Dahl et al.	
	5,121,754	06-16-1992	Mullett	
	5,184,620	02-09-1993	Cudahy et al.	
	5,263,967	11-23-1993	Lyons, III et al.	
	5,271,417	12-21-1993	Swanson et al.	
	5,282,468	02-01-1994	Klepinski	
	5,299,569	04-05-1994	Wernicke et al.	
	5,314,458	05-24-1994	Najafi et al.	
	5,405,375	04-11-1995	Ayers et al.	
	5,406,957	04-18-1995	Tansey	
	5,464,446	11-07-1995	Dreessen et al.	
	5,520,190	05-28-1996	Benedict et al.	
	5,549,655	08-27-1996	Erickson	
	5,562,708	10-08-1996	Combs et al.	
	5,575,813	11-19-1996	Edell et al.	
	5,601,611	02-11-1997	Fayram et al.	
	5,674,251	10-07-1997	Combs et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	4	of	11	Attorney Docket Number	337348040US1

		5,676,655	10-14-1997	Howard, III et al.	
		5,772,591	06-30-1998	Cram	
		5,782,873	07-21-1998	Collins	
		5,824,030	10-20-1998	Yang et al.	
		5,843,150	12-01-1998	Dreessen et al.	
		5,865,842	02-02-1999	Knuth et al.	
		6,035,236	03-07-2000	Jarding et al.	
		6,198,958	03-06-2001	Ives et al.	
		6,205,360	03-20-2001	Carter et al.	
		6,210,417	04-03-2001	Baudino et al.	
		6,221,908	04-24-2001	Kilgard et al.	
		6,230,049	05-08-2001	Fischell et al.	
		6,236,892	05-22-2001	Feler	
		6,264,944	07-24-2001	Douglas Smith	
		6,280,462	08-28-2001	Hauser et al.	
		6,301,493	10-09-2001	Marro et al.	
		6,339,725	01-15-2002	Naritoku et al.	
		6,356,792	03-12-2002	Joseph Errico	
		6,366,813	04-02-2002	DiLorenzo	
		6,375,666	04-23-2002	Mische	
		6,405,079	06-11-2002	Ansarinia	
		6,418,344	01-01-2001	Ali Rezai	
		6,463,328	10-08-2002	John	
		6,464,356	10-15-2002	Bernhard Sabel	
		6,484,059	11-19-2002	Gielen	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

337348040US1

PTO-SB-08a-b (07-05)

Approved for use through 07-31-2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	5	of	11	Attorney Docket Number	337348040US1

		6,487,450	11-26-2002	Chen	
		6,499,488	12-31-2002	Hunter et al.	
		6,505,075	01-07-2003	Weiner	
		6,507,755	01-14-2003	Gozani et al.	
		6,556,868	04-29-2003	Naritoku et al.	
		6,597,954	07-22-2003	Pless et al.	
		6,615,065	09-02-2003	Barrett et al.	
		6,622,048	09-16-2003	Carla Mann	
		6,633,780	10-14-2003	Berger	
		6,665,562	12-16-2003	Gluckman et al.	
		6,687,525	05-09-2002	Rodolfo Llinas	
		6,690,974	02-10-2004	Archer et al.	
		6,725,094	04-20-2004	Saberski	
		6,764,498	07-20-2004	Mische	
		6,782,292	08-24-2004	Whitehurst	
		6,795,737	09-21-2004	Gielen et al.	
		6,810,286	10-26-2004	Donovan et al.	
		6,839,594	01-04-2005	Cohen et al.	
		6,873,872	03-29-2005	Gluckman et al.	
		6,892,097	05-10-2005	Holsheimer	
		6,895,280	05-17-2005	Meadows et al.	
		6,907,296	06-14-2005	Doan et al.	
		6,934,580	08-23-2005	Osorio et al.	
		6,944,497	09-13-2005	Stypulkowski	
		6,959,215	10-25-2005	Gliner et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

337348040US1

PTO-SB-08a-b (07-05)

Approved for use through 07-31-2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	6	of	11	Attorney Docket Number	337348040US1

		6,990,377	01-24-2006	Gliner et al.	
		7,010,351	03-07-2006	Firlik et al.	
		7,024,247	04-04-2006	Gliner et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO-02-09811	02-07-2002	Neuropace, Inc.		
		WO-95-21591	08-17-1995	University of Iowa Research Foundation		
		WO-02-36003	05-10-2002	Neuropace, Inc.		
		WO-98-06342	02-19-1998	Neotonus, Inc.		
		WO-03-043690	05-30-2003	Vertis Neuroscience, Inc.		
		WO-03-082402	03-26-2003	Vertis Neuroscience, Inc.		
		EP-0 998 958-A2	10-05-2000	Medtronic, Inc.		
		WO-87-07511	12-17-1987	Zion Educational Foundation		
		DE-19750043	05-20-1999	Bartha et al.		
		EP-0319844 A1	06-14-1989	Ad-Tech Medical Instrument Corp.		
		EP-EP 1180056	11-12-2003	Exogen Inc.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and- or country where published.		
		BARR, Deborah et al., "Induction and Reversal of Long-Term Potentiation by Low-and High-Intensity Theta Pattern Stimulation," The Journal of Neuroscience, 15(7): pp. 5402-5410 (July 1995)		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	7	of	11	Attorney Docket Number	33734804US1

	BEL, S. and BAUER, B.L., "Dorsal Column Stimulation (DCS): Cost to Benefit Analysis," Acta Neurochirurgica, Suppl. 52, pp. 121-123 (1991)	
	BENABID, A.L. et al, "Chronic electrical stimulation of the ventralis intermedius nucleus of the thalamus as a treatment of movement disorders," J. Neurosurg., April 1997, 86(4); 737; http://www.ncbi.nlm.nih.gov ; [accessed 11-18-2003]	
	BLUESTONE, Avraham Y. et al., "Three-dimensional optical tomography of hemodynamics in the human head," Optics Express, Vol. 9, No. 6, pp: 272-286 (September 10, 2001)	
	Brain Electrical Stimulation to Enhance Recovery After Stroke. ClinicalTrials.gov. [Retrieved on 12-22-2005]. Retrieved from the internet <URL http://www.clinicaltrials.gov-ct-show-NCT00085657?order=2 >	
	BURNETT, Mark G. et al., "Diffuse optical measurement of blood flow, blood oxygenation, and metabolism in a human brain during sensorimotor cortex activation," Optics Letters, Vol. 29, No. 15, pp: 1766-1768 (August 1, 2004)	
	BURY, Scott et al., "The Effects of Behavioral Demand on Motor Cortical and Cerebellar Structural Plasticity After Brain Injury in Adult Rats," [Retrieved on March 1, 2003]. Retrieved from the internet: <URL: http://www.mcmaster.ca.inabis98-schallert-bury0827-index.html >	
	BUTEFISCH et al., "Mechanisms of use-dependent plasticity in the human motor cortex," Proc. Natl. Acad. Sci. USA, Vol. 97, No. 7, pp. 3661-3665 (March 2000)	
	CANAVERO, S. and PAOLOTTI, R., "Extradural Motor Cortex Stimulation for Advanced Parkinson's Disease: Case Report," Movement Disorders 15(1): 160-171, 2000.	
	CAO, Yue et al., "Cortical Language Activation in Stroke Patients Recovering From Aphasia With Functional MRI," Stroke, Vol. 30, pp: 2331-2340, November 1999	
	CINCOTTA et al., "Reorganization of the motor cortex in a patient with congenital hemiparesis and mirror movements," Neurology, Vol. 55, pp. 129-131 (2000)	
	CLASSEN, et al., "Rapid Plasticity of Human Cortical Movement Representation Induced by Practice," The Journal of Neurophysiology, Vol. 79, No. 2, pp. 1117-1123 (February 1998)	
	COHEN et al., "Studies of Neuroplasticity With Transcranial Magnetic Stimulation," The Journal of Clinical Neurophysiology, Vol. 15, No. 4 (1998)	
	CRAMER, S.C. and BASTINGS, E.P., "Mapping clinically relevant plasticity after stroke," Neuropharmacology Vol. 19, No. 5, pp. 842-851 (April 2000)	
	Cytokines Web Clinical Significance. Cytokines Web, 2 pages. [Retrieved on 9-2-2005]. Retrieved from the internet: <URL: http://cmbi.bjmu.edu.cn-cmbidata-cgf-CGF_Database-cytweb-roles-index.html >>	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	8	of	11	Attorney Docket Number	337348040US1

	DAM et al., "Effects of Fluoxetine and Maprotiline on Functional Recovery in Poststroke Hemiplegic Patients Undergoing Rehabilitation Therapy," Stroke, Vol. 27, No. 7, pp. 1211-1214 (July 1996)	
	DE RIDDER, Dirk et al., "Magnetic and electrical stimulation of the auditory cortex for intractable tinnitus," Journal Neurosurg., Vol. 100, pp: 560-564, (March 2004)	
	DI LAZZARO, V. et al., "Theta-burst repetitive transcranial magnetic stimulation suppresses specific excitatory circuits in the human motor cortex," Physiology in Press; published online on April 21, 2005 as 10.1113-jphysio.2005.087288	
	DING, Yuemin et al., "Neural Plasticity After Spinal Cord Injury," Current Pharmaceutical Design Vol. 11, No. 11, pp: 1441-1450, Abstract Only- 1 page (April 2005)	
	DUNCAN, Pamela W. et al., "Defining post-stroke recovery: implications for design and interpretation of drug trials," Neuropharmacology Vol. 39, pp. 835-841 (2000)	
	FEYS et al., "Value of somatosensory and motor evoked potentials in predicting arm recovery after a stroke," (October 1999)	
	HAGEMANN, Georg et al., "Increased Long-Term Potentiation in the Surround of Experimentally Induced Focal Cortical Infarction," Annals of Neurology, Vol. 44, No. 2, pp. 255-258 (August 1998)	
	HAYAKAWA, Toshiji et al., "Changes in Cerebral Oxygenation and Hemodynamics During Obstructive Sleep Apneas," Chest, Vol. 109, pp: 916-921 (1996)	
	HOSHI, Yoko et al., "Detection of dynamic changes in cerebral oxygenation coupled to neuronal function during mental work in a man," Neuroscience Letters, Vol. 150, pp: 5-8 (1993)	
	HOSHINO et al., "Application of multichannel near-infrared spectroscopic topography to physiological monitoring of the cortex during cortical mapping: technical case report," Surgical Neurology, Vol. 64, pp. 272-275 (2005)	
	How Imagent™ Works. ISS Inc., 1 page [Retrieved on 10-14-2005]. Retrieved from the internet: <URL http://www.iss.com-Products-imagent_fmri.html>	
	HUANG, Ying-Zu et al., "Theta Burst Stimulation of the Human Motor Cortex," Neuron, Vol. 45, pp. 201-206 (January 20, 2005)	
	HUMMEL, Friedhelm et al., "Effects of non-invasive cortical stimulation on skilled motor function in chronic stroke," Brain Advance Access, January 5, 2005, pp 1-10, Brain	
	Imagent™ Functional Brain Imaging System. ISS, Inc., 2 pages [Retrieved on 10-14-2005]. Retrieved from the internet: <URL http://www.iss.com-Products-imagent.html>	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,731-Conf. #5156
				Filing Date	December 9, 2003
				First Named Inventor	Jeffrey Balzer
				Art Unit	3762
				Examiner Name	S. M. Getzow
Sheet	9	of	11	Attorney Docket Number	337348040US1

	Imagent™ functional Near Infrared Imaging System (fNIRS) Brain Imaging Using Infrared Photons. ISS Inc., 8 pages [Retrieved on 10-14-2005]. Retrieved from the internet: <URL http://www.iss.com-products-imagent-imagent™.pdf >	
	International Search Report for PCT-US03-38986; May 2004; Applicant: Northstar Neuroscience, Inc. (7 pgs)	
	JANICEK, Milos J. et al., "Dynamic Infrared Imaging of Newly Diagnosed Malignant Lymphoma Compared with Gallium-67 and Fluorine-18 Fluorodeoxyglucose (FDG) Positron Emission Tomography," Technology in Cancer Research and Treatment, Vol. 2, No. 6, pp: 571-577 (December 2003)	
	KEYVANI, Kathy et al., "Suppression of proteasome C2 contralateral to ischemic lesions in rat brain," Brain Research, Vol. 858, pp: 386-392, 2000	
	KILGARD, Michael et al., "Cortical Map Reorganization Enabled by Nucleus Basalis Activity," Science, Vol. 279, pp 1714-1717 (March 13, 1998)	
	LANG, Nicolas et al., "Preconditioning with Transcranial Direct Current Stimulation Sensitizes the Motor Cortex to Rapid-Rate Transcranial Magnetic Stimulation and Controls the Direction of After-Effects," Biol Psychiatry 2004;56:634-639, 2004 Society of Biological Psychiatry	
	LARSON, John et al., "Reversal of LTP by theta frequency stimulation," Brain Research, 600: pp. 97-102 (1993)	
	LAZAR, M. et al., "White Matter Tractography Using Diffusion Tensor Deflection," Human Brain Mapping, 18:306-321, (2003)	
	L-DOPA dyskinesias. BioChemistry of PD. [Retrieved on 12-22-2005]. Retrieved from the internet <URL http://www.mayo.edu-fdp-pd-info-dyskinesias.htm >	
	MANSUR, C.G., et al., "A sham stimulation-controlled trial of rTMS of the unaffected hemisphere in stroke patients," Neurology, Vol. 64, pp. 1802-1804 (2005)	
	MARTIN et al, "Transcranial Magnetic Stimulation as a Complementary Treatment for Aphasia," Semin Speech Language, Vol. 25, pp: 181-191 (2004) Abstract Only- 1 page	
	MEYERSON, B.A. et al., "Motor Cortex Stimulation as Treatment of Trigeminal Neuropathic Pain", Acta Neurochirurgica Supplementum, Vol. 58, pp: 150-153 (1993)	
	NITSCHKE, Michael A. et al., "Level of action of cathodal DC polarisation induced inhibition of the human motor cortex," December 2, 2002, Clinical Neurophysiology 114 (2003) 600-604	
	NITSCHKE, Michael A., et al. "Facilitation of Implicit Motor Learning by Weak Transcranial Direct Current Stimulation of the Primary Motor Cortex in the Human," Journal of Cognitive Neuroscience 15:4, pp 619-626, 2003 Massachusetts Institute of Technology	
	NUDO, Randolph J., et al., "Recovery after damage to motor cortical areas," Current Opinion in Neurobiology, Vol. 9, Issue 6, pp: 740-747, December 1, 1999	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/731,731-Conf. #5156	
			Filing Date	December 9, 2003	
			First Named Inventor	Jeffrey Balzer	
			Art Unit	3762	
			Examiner Name	S. M. Getzow	
Sheet	10	of	11	Attorney Docket Number	337348040US1

	PANCHANATHAN, Sethuraman et al., "Rehabilitation of patients with hemispatial neglect using visual-haptic feedback in Virtual reality environment," [Retrieved on 12-22-2005]. Retrieved from the internet <URL < http://www.public.asu.edu/~tmcdani-publications.htm >>	
	PAULUS, W, "Supplements to Clinical Neurophysiology," Transcranial Magnetic Stimulation and Transcranial Direct Current Stimulation (Supplements to Clinical Neurophysiology; Vol 56), pp 249-254, 2003 Elsevier Science, B.V.	
	PAULUS, Walter, "Toward Establishing a Therapeutic Window for rTMS by Theta Burst Stimulation," Neuron, Vol. 45, pp. 181-183 (January 20, 2005)	
	PENN, Michael, "Stemming Parkinson's," on Wisconsin Alumni Magazine, Summer 2003, [Retrieved on 12-22-2005]. Retrieved from the internet <URL http://www.uwalumni.com-onwisconsin-2003_summer-research.html >	
	SCHAEFER, Pamela W. et al., "Assessing Tissue Viability with MR Diffusion and Perfusion Imaging," AJNR, 24: pp.436-443 (March 2003)	
	SCHIENE, Klaus et al., "Neuronal Hyperexcitability and Reduction of GABA-Receptor Expression in the Surround of Cerebral Photothrombosis," Journal of Cerebral Blood Flow and Metabolism, Vol. 16, No. 5, pp. 906-914 (1996)	
	SCIRun. Scientific Computing and Imaging Institute, 2 pages. [Retrieved on 7-24-2005]. Retrieved from the internet: <URL: < http://software.sci.utah.edu-scirun.html >>	
	STRANGMAN, Gary et al., "A Quantitative Comparison of Simultaneous BOLD fMRI and NIRS Recordings during Functional Brain Activation," Neurolmage, Vol. 17, pp: 719-731 (2002)	
	STRANGMAN, Gary et al., "Factors affecting the accuracy of near-infrared spectroscopy concentration calculations for focal changes in oxygenation parameters," Neurolmage, Vol. 18, pp: 865-879 (2003)	
	STRANGMAN, Gary et al., "Non-Invasive Neuroimaging Using Near-Infrared Light," Biological Psychiatry, Vol. 52, pp: 679-693 (2002)	
	STRENS, Lucy et al., "The Ipsilateral Human Motor Cortex Can Functionally Compensate for Acute Contralateral Motor Cortex Dysfunction," Current Biology, Vol 13, pp 1201-1205, July 15, 2003	
	TAGA, Gentaro et al., "Brain imaging in awake infants by near-infrared optical topography," PNAS, Vol. 100, No. 19, pp:10722-10727 (September 16, 2003)	
	TANG, Cha-Min et al., "Optical Coherence Tomography of the Human Basal Ganglion," Deep Brain Stimulation Consortium Meeting Program Book, September 29-30, 2003, Washington DC	
	The GES 250 for Dense-Array EEG Research. Electrical Geodesics, Inc., 3 pages. [Retrieved on 8-25-2005]. Retrieved from the internet: <URL: http://www.egi.com-ges250r_n.html >	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449A-B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/731,731-Conf. #5156	
			Filing Date	December 9, 2003	
			First Named Inventor	Jeffrey Balzer	
			Art Unit	3762	
			Examiner Name	S. M. Getzow	
Sheet	11	of	11	Attorney Docket Number	337348040US1

		The INVOS Cerebral Oximeter. Somanetics, 1 page [Retrieved on 12-22-2005]. Retrieved from the internet <URL <http://www.somanetics.net-invos.htm>>	
		THEORET, Hugo et al., "Exploring Paradoxical Functional Facilitation with TMS," Supplements to Clinical Neurophysiology, Vol. 56, pp: 211-219 (2003)	
		THOMAS, Carmen et al., "Do Children with aggressive behavior have temporal lobe changes?" Alasbimn Journal, Year 5, No. 19, 8 pages (January 2003)	
		TIMMERMANN, Lars et al., "The cerebral oscillatory network of parkinsonian resting tremor," Brain, Vol. 26, pp: 199-212, (2003)	
		TORONOV, Vlad et al., "Near-infrared study of fluctuations in cerebral hemodynamics during rest and motor stimulation: Temporal analysis and spatial mapping," Medical Physics, Vol. 27, No. 4, pp: 801-815 (April 2000)	
		Tractography. Absolute Astronomy Reference, 2 pages. [Retrieved on 7-24-2005]. Retrieved from the internet: <URL: http://www.absoluteastronomy.com-encyclopedia-T-Tr-Tractography.htm>	
		TSUBOKAWA, T. et al., "Chronic Motor Cortex Stimulation for the Treatemnt of Central Pain", Acta Neurochirurgica Supplementum, Vol. 52, pp: 137-139 (1991)	
		TSUBOKAWA, T. et al., "Treatment of Thalamic Pain by Chronic Motor Cortex Stimulation", PACE, Vol. 14, pp: 131-134 (January 1991)	
		TSUBOKAWA, T., "Chronic Motor Cortex Stimulation in Patients with Thalamic Pain," J. Neurosurg 78:393-401, (March 1993)	
		TUCH, D. et al., "Conductivity Tensor Mapping of the Human Brain Using Diffusion Tensor MRI," Neurobiology, Vol. 98, No. 20, pp. 11697-11701, September 25, 2001	
		WEINAND, Martin E. et al., "Cerebral blood flow and temporal lobe epileptogenicity," [Retrieved on December 22, 2005]. Retrieved from the internet: <URL http://www.aans.org-education-journal-neurosurgical-nov96-1-5-3.asp>	
		YOKOH, Arika et al., "Intermittent versus continuous brain retraction," Journal of Neurosurgery, Vol. 58, pp: 918-923 (June 1983)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--